

Product datasheet for **RC206863**

Flightless I (FLII) (NM_002018) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Flightless I (FLII) (NM_002018) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Flightless I
Synonyms:	FLI; Fli1; FLIL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC206863 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGCCACCGGGTCTGCCGTTTCGTGCGTGGCGTGGACCTCAGCGGCAACGACTTCAAGGGCGGCT
ACTTCCCTGAGAATGTCAAGGCCATGACCAGCCTGCGGTGGTGAAGCTGAACCGCACTGGCCTCTGCTA
CCTGCCCGAGGAGCTGGCCGCCCTGCAGAAGCTGGAACACTTGTCTGTGAGCCACAACAACCTGACCAGC
CTTCATGGGGAGCTGTCCAGCCTGCCATCGCTGCGGCCATCGTGGCCGAGCCAACAGTCTGAAGAATT
CCGGAGTCCCGATGACATCTTCAAGCTAGATGATCTCTCAGTCTGGACTTGAGCCACAACCAGCTGAC
AGAGTGCCCGCGGAGCTGGAGAACGCCAAGAACATGCTGGTGCTGAACCTCAGCCACAACAGCATCGAC
ACCATCCCCAACAGCTCTTCATCAACCTCACTGACCTACTATACCTGGACCTCAGCGAGAACCAGCCTGG
AGAGCCTGCCCGCAGATGCGCGCCCTGGTGCACCTGCAGACGCTCGTGCTCAATGAAAACCCCTGCT
GCATGCACAGCTCCGGCAGCTCCAGCGATGACGGCCCTGCAGACCTGCACCTGCGGAGCACCCAGCGC
ACCCAGAGCAACCTGCCACCAGCCTGGAGGGTCTGAGCAACCTCGCAGACGTGGATCTGTCTGCAATG
ACCTGACACGGGTGCCCGAGTGTCTGTACACCTCCCGAGCCTGCGCCGCTCAACCTCAGCAGCAACCA
GATCACGGAGCTGTCCCTGTGCATAGACCAGTGGTGCACGTGAAACTCTGAACCTGTCCCGAAATCAG
CTCACCTCACTGCCCTCAGCCATTTGCAAGCTGAGCAAGCTGAAGAAGCTGTACCTGAATCCAACAAG
TGGACTTTGACGGGCTGCCCTCAGGCATTGGCAAGCTCACCAACCTGGAAGAGTTTCATGGCTGCCAACA
CAACCTGGAGCTGGTCCCTGAAAGTCTCTGCAGGTGCCCAAGCTGAGGAAACTTGTCTGAAACAAGAAC
CACCTGGTGACCTCCAGAAAGCCATCCATTTCTGACGGAGATCGAGGTCTGGATGTGCGGGAGAACC
CCAACCTGGTCAATGCCGCCAAGCCCGCAGACCTGCGGCTGAGTGGTACAACATCGACTTCTCGTGCA
GAACCAGCTGCGGCTAGCGGGTGCCTCTCTGCTACCGTGGTGCAGCTGCAGCTGCAGGGAGTGGGCC
AAGGACCTATGGCTCGCAAGATGCGACTGCGGAGGCGCAAGGATTCAGCCAGGATGACCAGGCCAAGC
AGGTGCTGAAGGGCATGTGAGATGTTGCCAGGAGAAGAAACAAAAGCAGGAGGAGAGCGCAGATGCCCG
GGCCCCAGCGGAAGGTGCGGCTTGGACCAGGGCCTGGAGAAGCCCCGCCTTGACTACTCCGAGTTC



[View online »](#)

TTCACGGAGGACGTGGGCCAGCTGCCCGGACTGACCATCTGGCAGATAGAGAAGCTTCGTGCCTGTGCTGG
 TGGAGGAAGCCTTCCACGGCAAGTTCTACGAGGCTGACTGCTACATTGTGCTCAAGACCTTTCTGGATGA
 CAGCGGCTCCCTCAACTGGGAGATCTACTGGATTGGCGGGGAGGCCACACTCGACAAGAAAGCTTGC
 TCTGCCATCCACGCTGTCAACTTGCGCAACTACCTGGGTGCTGAGTGCCGCACTGTCCGGGAGGAGATGG
 GCGATGAGAGCGAGGAGTTCTCGAGGTGTTTGACAACGACATCTCTACATTGAGGGTGGAAACAGCCAG
 TGGCTTTACTACTGTGGAAGACACACTATGTACCAGGATGTATCGTGTGTATGGGAAAAAGAATC
 AAGTTGGAGCCTGTGCCCTCAAGGGACCTCTCTGGACCAAGGTTTGTTCCTGCTGGACCGAGGGC
 TAGACATCTACGTATGGCGGGGGCCAGGCCACACTGAGCAGCACCAAGGCCAGGCTCTTTGCAGA
 GAAAAATTAACAAGAAATGAGCGGAAAGGGGAGGCTGAGATCACACTGCTGTTGTCAGGGCCAGGAGCTCCCA
 GAGTTCTGGGAGGCACTGGGTGGGAGCCCTCTGAGATCAAGAAGCACGTGCCTGAAGACTTCTGGCCGC
 CGCAGCCCAAGCTGTACAAGGTGGGCTGGGCTTGGGCTACCTGGAGCTGCCACAGATCAACTACAAGCT
 CTCCGTGGAACATAAGCAGCGTCCCAAGGTGGAGCTGATGCCAAGATGCGGCTGCTGCAGAGTCTGCTG
 GACACGCGCTGCGTGTACATTCTGGACTGTTGGTCCGACGTGTTTCATCTGGCTCGGCCGCAAGTCCCGC
 GCCTGGTGCAGCTGCCGCCCTCAAGCTGGGTGAGGAGCTGTGCGGGATGCTGCACCGGCCACGCCATGC
 CACGGTCAGCCGACGCTCGAGGGCACCAGGGCGCAGGTGTTCAAGGCCAAGTTCAAGAATTGGGACGAT
 GTGTTGACGGTGGACTACACACGCAATGCGGAGGCCGTGCTGCAGAGCCCGGCTCTCCGGGAAGGTGA
 AACCGCAGCCGAGAAGAAAGACAGATGAAGGCTGACCTCACTGCGCTTTTCTGCCCGCCAGCCGCC
 CATGTGCTGGCCGAGGCGGAGCAGCTGATGGAGGAGTGGAAACGAAGACCTAGACGGCATGGAGGGTTTC
 GTGCTGGAGGGCAAGAAGTTTGCAGGCTGCCGGAAGAGGAGTTTGGCCACTTCTACACGAGGACTGCT
 ACGTCTTCTCTGAGGTAAGTGGGTGCCTGTGGAGTACGAGGAGGAGGAAAAGAAGGAAGACAAGGAGGA
 GAAGGCCGAGGGCAAAGAAGCGGAGGAAGCAACCCTGAGGCAGAGGAGAAGCAGCCAGAGGAGGACTTC
 CAGTGCATCGTGTACTTCTGGCAGGGCCGTGAAGCCTCCAATATGGGCTGGCTCACCTTCACCTTCAGCC
 TGCAAAAGAAGTTCGAGAGCCTTCCCTGGGAAGCTGGAGGTGGTACGCATGACGCAGCAGCAGGAGAA
 CCCAAGTTCTGTCCCATTTCAAGAGGAAGTTCATCATCCACCGGGCAAGAGGAAGGCCGTCCAGGGC
 GCCAACAGCCAGCCTCTACCAGATCCGACCAACGGCAGCGCCCTCTGCACCCGGTGCATCCAGATCA
 ACACCGACTCCAGCCTCCTCAACTCCGAGTTCTGCTTCATCCTCAAGTTCCCTTTGAGAGTGAGGACAA
 CCAGGGCATCGTGTATGCCTGGGTGGGCGGGCATCAGACCCTGACGAAGCCAAGTTGGCAGAAGACATC
 CTGAACACCATGTTTGACACCTCCTACAGCAAGCAGGTTATCAACGAAGGTGAGGAGCCTGAGAATTCT
 TCTGGGTGGGCATTGGGGCACAGAAGCCCTATGATGACGATGCCGAGTACATGAAACACACACGTCTCTT
 CCGGTGCTCCAACGAGAAGGGCTACTTTGCAGTACTGAGAAATGCTCCGACTTTTGCCAAGATGACCTG
 GCAGATGATGACATCATGTTGCTAGACAATGGCCAAGAGGTCTACATGTGGGTGGGGACCCAGACTAGCC
 AGGTGGAGATCAAGCTGAGCCTGAAGGCCCTGCCAGGTATATATCCAGCACATGCGGTCCAAGGAACATGA
 GCGGCCGCGCGGCTGCGCCTGGTCCGCAAGGGCAATGAGCAGCACGCCCTTACCCGCTGCTTCCACGCC
 TGGAGCGCCTTCTGCAAGGCCCTGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC206863 protein sequence
 Red=Cloning site Green=Tags(s)

```
MEATGVLPFVRGVDLSGNDFKGGYFPENVKAMTSLRWLKLNRTGLCYLPEELAAALQKLEHLSVSHNNLTT
LHGELSSLPSLRAIVARANSLKNSGVPPDDIFKLDL SVLDL SHNQLTECPRELENAKNMLVLNLSHNSID
TIPNQLFINLTDLLYLDLSENRLSPPQMRRLVHLQTLVLNGNPLLHAQLRQLPAMTALQTLHLRSTQR
TQSNLPTSLEGLSNLADVDLSCNDLTRVPECLYTLPSLRRNLSSNQITELSLCIDQVWHVETLNL SRNQ
LTSLSAICKLSKLLKLYLNSNKLDFDGLPSGIGKLTNLEEFMAANNLELVPESLCRCPKLRKLVLNKN
HLVTLPEAIHFLETEIEVL DVRENPNL VMPPKPADRAAEWYNIDFSLQNQLRLAGASPATVAAAAAAGSGP
KDPMARKMRLRRRKDSAQDDQAKQVLKGMSDVAQEKKNKQESADARAPSGKVRWDQGLEKPRLDYSEF
FTEDVQGQLPGLTIWQIENFVPLVEEAFHGKFEADCYIVLKTFLDSSGSLNWEIYYWIGGEATLDKKAC
SAIHAVNLRNYLGAECRTVREEMGDESEEF LQVFDNDISYIEGGTASGFYTVEDTHYVTRMYRVYGGKNI
KLEPVPLKGTSLDPRFVLLDRGLDIYVWRGAQATLSSTTKARLFAEKINKNERKGAETLLVQGGELP
EFWEALGGEPSEIKKHVPEDFWPPQPKLYKVLGLGYLELPQINYKLSVEHKQRPKVELMPMRLLQSL
DTRCVYILDCWSDVFIWLRKSPRLVRAAALKGQELCGMLHRPRHATVSRSLGTEAQVFKAKFKNWDD
VLTVDYTRNAEAVLQSPGLSGKVKRDAEKKDQMKADLTALFLPRQPPMSLAEAEQLMEEWNEDLDGMEGF
VLEGGKFAARLPEEFGHFYTDQCYVFLCRYWVPVEYEEEEKEDKEEKAEGKEGEATAEAEKQPEEDF
QCIVYFWQGREASNMGWLTFTSLQKKFESLFPGKLEVVRMTQQQENPKFLSHFKRKFIIHRGKRKAVQG
AQQPSLYQIRNNGSALCTRCIQINTDSSLLNSEFCFILKVPFESEDNQGIYAWVGRASDPDEAKLAEDI
LNTMFDTSYSKQVINEGEEPENFFWVGIGAQPYYDDDAEYMKHTRLFRCSNEKGYFAVTEKCSDFCQDDL
ADDDIMLLDNGQEVYMWVGTQTSQVEIKLSLKACQVYIQHMRSKEHERPRLRLVRKGNEQHAFTRCFHA
WSAFCKALA
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6292_h05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

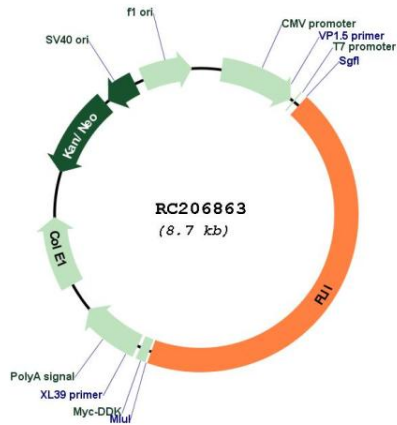


ACCN: NM_002018

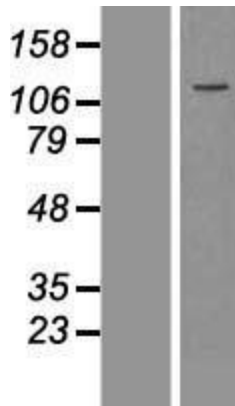
ORF Size: 3807 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.
	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_002018.4
RefSeq Size:	4387 bp
RefSeq ORF:	3810 bp
Locus ID:	2314
UniProt ID:	Q13045
Cytogenetics:	17p11.2
Domains:	LRR, LRR_TYP, GEL, Gelsolin, LRR_PS
Protein Families:	ES Cell Differentiation/IPS, Transcription Factors
MW:	144.8 kDa
Gene Summary:	This gene encodes a protein with a gelsolin-like actin binding domain and an N-terminal leucine-rich repeat-protein protein interaction domain. The protein is similar to a Drosophila protein involved in early embryogenesis and the structural organization of indirect flight muscle. The gene is located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC206863



Western blot validation of overexpression lysate (Cat# [LY419581]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206863 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).